

5 prescribed interval of said first averaging means, and

10 averaging means according to the obtained difference.

of said interference wave power detection means,

15 between the output of said interference wave power
detection means and an output of said delay means to control
the averaging intervals in said averaging means according
to the obtained difference.

20 1, further comprising dispersion calculation means for
obtaining dispersion of an output value of said
interference wave power detection means,

25 of said dispersion calculation means.

1, further comprising reset signal control means for

outputting a reset signal to reset said averaging means according to largeness of a variation quantity of interference wave power detected by interference variation quantity detection means.

- 5 7. A mobile station apparatus equipped with an SIR measurement apparatus, said SIR measurement apparatus comprising:

desired wave power detection means for detecting desired wave power from a received signal;

- 10 interference wave power detection means for detecting interference wave power from the received signal;

averaging means for averaging an output of said interference wave power detection means over a plurality of processing units;

- 15 control means for detecting a variation quantity of the interference wave power from the output of said interference wave power detection means to control averaging intervals in said averaging means according to the detected variation quantity; and

- 20 SIR calculation means for obtaining a ratio of an output of said desired wave power detection means to an output of said averaging means.

8. A base station apparatus equipped with an SIR measurement apparatus, said SIR measurement apparatus
25 comprising:

desired wave power detection means for detecting desired wave power from a received signal;

desired wave power detection step to an output at said averaging steps.

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